TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-48849-1
Client Project/Site: CBS-Compton

For:
CBS Corporation
20 Stanwix Street
Pittsburgh, Pennsylvania 15222-1384

Attn: Mr. Leo M. Brausch

Authorized for release by:
4/7/2015 8:46:56 AM

Nathan Pietras, Project Manager II
(330)966-8296
nathan.pietras@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-48849-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: CBS Corporation

Project: CBS-Compton

Report Number: 240-48849-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 4/1/2015 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7° C.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples CC-N270-E240 (240-48849-16) and CC-270-E260 (240-48849-18) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 04/02/2015 and analyzed on 04/06/2015.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

DCB Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria high for CC-N270-E240 (240-48849-16).

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for CC-270-E260 (240-48849-18), CC-270-E260MS (240-48849-18MS).

Aroclor-1260 failed the recovery criteria low for the MS/MSD of sample CC-270-E260MS/MSD (240-48849-18) in batch 240-175170.

Job ID: 240-48849-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Samples CC-N270-E240 (240-48849-16)[100X] and CC-270-E260 (240-48849-18)[50X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 8082: Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: (MB 240-174818/9-A). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples WP-11 (240-48849-7), WP-13 (240-48849-11) and WP-14 (240-48849-12) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 04/02/2015 and analyzed on 04/04/2015.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

Tetrachloro-m-xylene failed the surrogate recovery criteria low for MB 240-174818/9-A.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Samples CC-N270-E240 (240-48849-16) and CC-270-E260 (240-48849-18) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 04/03/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Method Summary

Client: CBS Corporation
Project/Site: CBS-Compton

TestAmerica Job ID: 240-48849-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: CBS Corporation
Project/Site: CBS-Compton

TestAmerica Job ID: 240-48849-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-48849-7	WP-11	Wipe	03/26/15 21:20	04/01/15 09:50
240-48849-11	WP-13	Wipe	03/27/15 21:15	04/01/15 09:50
240-48849-12	WP-14	Wipe	03/27/15 21:20	04/01/15 09:50
240-48849-16	CC-N270-E240	Solid	03/28/15 01:43	04/01/15 09:50
240-48849-18	CC-270-E260	Solid	03/28/15 00:52	04/01/15 09:50

Detection Summary

Client: CBS Corporation
Project/Site: CBS-Compton

TestAmerica Job ID: 240-48849-1

Client Sample ID: WP-11 — Lab Sample ID: 240-48849-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	1.8	J	2.0	0.50	ug/Wipe	1		8082	Total/NA

Client Sample ID: WP-13 — Lab Sample ID: 240-48849-11

No Detections.

Client Sample ID: WP-14 — Lab Sample ID: 240-48849-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	1.0	J	2.0	0.50	ug/Wipe	1		8082	Total/NA

Client Sample ID: CC-N270-E240 — Lab Sample ID: 240-48849-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1260	110000		20000	5400	ug/Kg	100	☼	8082	Total/NA

Client Sample ID: CC-270-E260 — Lab Sample ID: 240-48849-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aroclor-1248	42000		10000	2400	ug/Kg	50	☼	8082	Total/NA
Aroclor-1260	42000		10000	2700	ug/Kg	50	☼	8082	Total/NA

This Detection Summary does not include radiochemical test results.

Client: CBS Corporation
Project/Site: CBS-Compton

TestAmerica Job ID: 240-48849-1

Client Sample ID: WP-11
Date Collected: 03/26/15 21:20
Date Received: 04/01/15 09:50

Lab Sample ID: 240-48849-7
Matrix: Wipe

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 11:46	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 11:46	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 11:46	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 11:46	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 11:46	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 11:46	1
Aroclor-1260	**1.8**	**J**	2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 11:46	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 11:46	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*52 - 162*	*04/02/15 09:30*	*04/04/15 11:46*	*1*
DCB Decachlorobiphenyl	*106*		*35 - 162*	*04/02/15 09:30*	*04/04/15 11:46*	*1*

Client Sample ID: WP-13
Date Collected: 03/27/15 21:15
Date Received: 04/01/15 09:50

Lab Sample ID: 240-48849-11
Matrix: Wipe

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:14	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:14	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:14	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:14	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:14	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:14	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:14	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:14	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*52 - 162*	*04/02/15 09:30*	*04/04/15 12:14*	*1*
DCB Decachlorobiphenyl	*97*		*35 - 162*	*04/02/15 09:30*	*04/04/15 12:14*	*1*

Client Sample ID: WP-14
Date Collected: 03/27/15 21:20
Date Received: 04/01/15 09:50

Lab Sample ID: 240-48849-12
Matrix: Wipe

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:28	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:28	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:28	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:28	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:28	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:28	1
Aroclor-1260	**1.0**	**J**	2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:28	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:28	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*84*		*52 - 162*	*04/02/15 09:30*	*04/04/15 12:28*	*1*
DCB Decachlorobiphenyl	*88*		*35 - 162*	*04/02/15 09:30*	*04/04/15 12:28*	*1*

Client Sample ID: CC-N270-E240
Date Collected: 03/28/15 01:43
Date Received: 04/01/15 09:50

Lab Sample ID: 240-48849-16
Matrix: Solid
Percent Solids: 97.5

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		20000	7200	ug/Kg	☼	04/02/15 09:14	04/06/15 11:42	100
Aroclor-1221	ND		20000	9600	ug/Kg	☼	04/02/15 09:14	04/06/15 11:42	100
Aroclor-1232	ND		20000	12000	ug/Kg	☼	04/02/15 09:14	04/06/15 11:42	100
Aroclor-1242	ND		20000	6600	ug/Kg	☼	04/02/15 09:14	04/06/15 11:42	100
Aroclor-1248	ND		20000	4800	ug/Kg	☼	04/02/15 09:14	04/06/15 11:42	100
Aroclor-1254	ND		20000	8400	ug/Kg	☼	04/02/15 09:14	04/06/15 11:42	100
Aroclor-1260	**110000**		20000	5400	ug/Kg	☼	04/02/15 09:14	04/06/15 11:42	100
Aroclor-1262	ND		20000	6000	ug/Kg	☼	04/02/15 09:14	04/06/15 11:42	100
Aroclor-1268	ND		20000	7800	ug/Kg	☼	04/02/15 09:14	04/06/15 11:42	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*160*	*X*	*29 - 151*	*04/02/15 09:14*	*04/06/15 11:42*	*100*
DCB Decachlorobiphenyl	*205*	*X*	*14 - 163*	*04/02/15 09:14*	*04/06/15 11:42*	*100*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**98**		0.10	0.10	%			04/03/15 13:54	1
Percent Moisture	**2.5**		0.10	0.10	%			04/03/15 13:54	1

Client Sample ID: CC-270-E260
Date Collected: 03/28/15 00:52
Date Received: 04/01/15 09:50

Lab Sample ID: 240-48849-18
Matrix: Solid
Percent Solids: 97.7

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		10000	3600	ug/Kg	☼	04/02/15 09:14	04/06/15 12:15	50
Aroclor-1221	ND		10000	4900	ug/Kg	☼	04/02/15 09:14	04/06/15 12:15	50
Aroclor-1232	ND		10000	6100	ug/Kg	☼	04/02/15 09:14	04/06/15 12:15	50
Aroclor-1242	ND		10000	3300	ug/Kg	☼	04/02/15 09:14	04/06/15 12:15	50
Aroclor-1248	**42000**		10000	2400	ug/Kg	☼	04/02/15 09:14	04/06/15 12:15	50
Aroclor-1254	ND		10000	4200	ug/Kg	☼	04/02/15 09:14	04/06/15 12:15	50
Aroclor-1260	**42000**		10000	2700	ug/Kg	☼	04/02/15 09:14	04/06/15 12:15	50
Aroclor-1262	ND		10000	3000	ug/Kg	☼	04/02/15 09:14	04/06/15 12:15	50
Aroclor-1268	ND		10000	3900	ug/Kg	☼	04/02/15 09:14	04/06/15 12:15	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*124*		*29 - 151*	*04/02/15 09:14*	*04/06/15 12:15*	*50*
DCB Decachlorobiphenyl	*169*	*X*	*14 - 163*	*04/02/15 09:14*	*04/06/15 12:15*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	**98**		0.10	0.10	%			04/03/15 13:54	1
Percent Moisture	**2.3**		0.10	0.10	%			04/03/15 13:54	1

Surrogate Summary

Client: CBS Corporation
Project/Site: CBS-Compton

TestAmerica Job ID: 240-48849-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCB2
Lab Sample ID	Client Sample ID	(29-151)	(14-163)
240-48849-16	CC-N270-E240	160 X	205 X
240-48849-18	CC-270-E260	124	169 X
240-48849-18 MS	CC-270-E260	123	174 X
240-48849-18 MSD	CC-270-E260	116	161
LCS 240-174809/13-A	Lab Control Sample	82	101
MB 240-174809/12-A	Method Blank	78	92

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Wipe

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCB2
Lab Sample ID	Client Sample ID	(52-162)	(35-162)
240-48849-7	WP-11	94	106
240-48849-11	WP-13	100	97
240-48849-12	WP-14	84	88
LCS 240-174818/10-A	Lab Control Sample	87	86
MB 240-174818/9-A	Method Blank	32 X	35

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-174809/12-A
Matrix: Solid
Analysis Batch: 175170

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 174809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		200	72	ug/Kg		04/02/15 09:14	04/06/15 13:04	1
Aroclor-1221	ND		200	96	ug/Kg		04/02/15 09:14	04/06/15 13:04	1
Aroclor-1232	ND		200	120	ug/Kg		04/02/15 09:14	04/06/15 13:04	1
Aroclor-1242	ND		200	66	ug/Kg		04/02/15 09:14	04/06/15 13:04	1
Aroclor-1248	ND		200	48	ug/Kg		04/02/15 09:14	04/06/15 13:04	1
Aroclor-1254	ND		200	84	ug/Kg		04/02/15 09:14	04/06/15 13:04	1
Aroclor-1260	ND		200	54	ug/Kg		04/02/15 09:14	04/06/15 13:04	1
Aroclor-1262	ND		200	60	ug/Kg		04/02/15 09:14	04/06/15 13:04	1
Aroclor-1268	ND		200	78	ug/Kg		04/02/15 09:14	04/06/15 13:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*29 - 151*	*04/02/15 09:14*	*04/06/15 13:04*	*1*
DCB Decachlorobiphenyl	*92*		*14 - 163*	*04/02/15 09:14*	*04/06/15 13:04*	*1*

Lab Sample ID: LCS 240-174809/13-A
Matrix: Solid
Analysis Batch: 175170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 174809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	2000	1490		ug/Kg		75	62 - 120
Aroclor-1260	2000	1700		ug/Kg		85	56 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*82*		*29 - 151*
DCB Decachlorobiphenyl	*101*		*14 - 163*

Lab Sample ID: 240-48849-18 MS
Matrix: Solid
Analysis Batch: 175170

Client Sample ID: CC-270-E260
Prep Type: Total/NA
Prep Batch: 174809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	ND		2040	25100		ug/Kg	☼	NC	22 - 157
Aroclor-1260	42000		2040	41700	4	ug/Kg	☼	8	13 - 161

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*123*		*29 - 151*
DCB Decachlorobiphenyl	*174*	*X*	*14 - 163*

Lab Sample ID: 240-48849-18 MSD
Matrix: Solid
Analysis Batch: 175170

Client Sample ID: CC-270-E260
Prep Type: Total/NA
Prep Batch: 174809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor-1016	ND		2050	23500		ug/Kg	☼	NC	22 - 157	7	30
Aroclor-1260	42000		2050	39800	4	ug/Kg	☼	-87	13 - 161	5	30

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 240-48849-18 MSD
Matrix: Solid
Analysis Batch: 175170

Client Sample ID: CC-270-E260
Prep Type: Total/NA
Prep Batch: 174809

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*116*		*29 - 151*
DCB Decachlorobiphenyl	*161*		*14 - 163*

Lab Sample ID: MB 240-174818/9-A
Matrix: Wipe
Analysis Batch: 175111

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 174818

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:42	1
Aroclor-1221	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:42	1
Aroclor-1232	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:42	1
Aroclor-1242	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:42	1
Aroclor-1248	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:42	1
Aroclor-1254	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:42	1
Aroclor-1260	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:42	1
Aroclor-1262	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:42	1
Aroclor-1268	ND		2.0	0.50	ug/Wipe		04/02/15 09:30	04/04/15 12:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*32*	*X*	*52 - 162*	*04/02/15 09:30*	*04/04/15 12:42*	*1*
DCB Decachlorobiphenyl	*35*		*35 - 162*	*04/02/15 09:30*	*04/04/15 12:42*	*1*

Lab Sample ID: LCS 240-174818/10-A
Matrix: Wipe
Analysis Batch: 175111

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 174818

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	10.0	8.09		ug/Wipe		81	56 - 160
Aroclor-1260	10.0	7.55		ug/Wipe		76	60 - 151

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*87*		*52 - 162*
DCB Decachlorobiphenyl	*86*		*35 - 162*

GC Semi VOA

Prep Batch: 174809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-48849-16	CC-N270-E240	Total/NA	Solid	3540C	
240-48849-18	CC-270-E260	Total/NA	Solid	3540C	
240-48849-18 MS	CC-270-E260	Total/NA	Solid	3540C	
240-48849-18 MSD	CC-270-E260	Total/NA	Solid	3540C	
LCS 240-174809/13-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-174809/12-A	Method Blank	Total/NA	Solid	3540C	

Prep Batch: 174818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-48849-7	WP-11	Total/NA	Wipe	3540C	
240-48849-11	WP-13	Total/NA	Wipe	3540C	
240-48849-12	WP-14	Total/NA	Wipe	3540C	
LCS 240-174818/10-A	Lab Control Sample	Total/NA	Wipe	3540C	
MB 240-174818/9-A	Method Blank	Total/NA	Wipe	3540C	

Analysis Batch: 175111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-48849-7	WP-11	Total/NA	Wipe	8082	174818
240-48849-11	WP-13	Total/NA	Wipe	8082	174818
240-48849-12	WP-14	Total/NA	Wipe	8082	174818
LCS 240-174818/10-A	Lab Control Sample	Total/NA	Wipe	8082	174818
MB 240-174818/9-A	Method Blank	Total/NA	Wipe	8082	174818

Analysis Batch: 175170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-48849-16	CC-N270-E240	Total/NA	Solid	8082	174809
240-48849-18	CC-270-E260	Total/NA	Solid	8082	174809
240-48849-18 MS	CC-270-E260	Total/NA	Solid	8082	174809
240-48849-18 MSD	CC-270-E260	Total/NA	Solid	8082	174809
LCS 240-174809/13-A	Lab Control Sample	Total/NA	Solid	8082	174809
MB 240-174809/12-A	Method Blank	Total/NA	Solid	8082	174809

General Chemistry

Analysis Batch: 175063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-48849-16	CC-N270-E240	Total/NA	Solid	Moisture	
240-48849-18	CC-270-E260	Total/NA	Solid	Moisture	

Lab Chronicle

Client: CBS Corporation
Project/Site: CBS-Compton

TestAmerica Job ID: 240-48849-1

Client Sample ID: WP-11

Lab Sample ID: 240-48849-7

Date Collected: 03/26/15 21:20
Date Received: 04/01/15 09:50

Matrix: Wipe

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			174818	04/02/15 09:30	CS	TAL CAN
Total/NA	Analysis	8082		1	175111	04/04/15 11:46	KMG	TAL CAN

Client Sample ID: WP-13

Lab Sample ID: 240-48849-11

Date Collected: 03/27/15 21:15
Date Received: 04/01/15 09:50

Matrix: Wipe

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			174818	04/02/15 09:30	CS	TAL CAN
Total/NA	Analysis	8082		1	175111	04/04/15 12:14	KMG	TAL CAN

Client Sample ID: WP-14

Lab Sample ID: 240-48849-12

Date Collected: 03/27/15 21:20
Date Received: 04/01/15 09:50

Matrix: Wipe

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			174818	04/02/15 09:30	CS	TAL CAN
Total/NA	Analysis	8082		1	175111	04/04/15 12:28	KMG	TAL CAN

Client Sample ID: CC-N270-E240

Lab Sample ID: 240-48849-16

Date Collected: 03/28/15 01:43
Date Received: 04/01/15 09:50

Matrix: Solid
Percent Solids: 97.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			174809	04/02/15 09:14	CS	TAL CAN
Total/NA	Analysis	8082		100	175170	04/06/15 11:42	LSH	TAL CAN
Total/NA	Analysis	Moisture		1	175063	04/03/15 13:54	LCN	TAL CAN

Client Sample ID: CC-270-E260

Lab Sample ID: 240-48849-18

Date Collected: 03/28/15 00:52
Date Received: 04/01/15 09:50

Matrix: Solid
Percent Solids: 97.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3540C			174809	04/02/15 09:14	CS	TAL CAN
Total/NA	Analysis	8082		50	175170	04/06/15 12:15	LSH	TAL CAN
Total/NA	Analysis	Moisture		1	175063	04/03/15 13:54	LCN	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: CBS Corporation
Project/Site: CBS-Compton

TestAmerica Job ID: 240-48849-1

Laboratory: TestAmerica Canton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *

The following analytes are included in this report, but are not certified under this certification:

Analysis Method	Prep Method	Matrix	Analyte
8082	3540C	Solid	Aroclor-1016
8082	3540C	Solid	Aroclor-1221
8082	3540C	Solid	Aroclor-1232
8082	3540C	Solid	Aroclor-1242
8082	3540C	Solid	Aroclor-1248
8082	3540C	Solid	Aroclor-1254
8082	3540C	Solid	Aroclor-1260

The following analytes are included in this report, but certification is not offered by the governing authority:

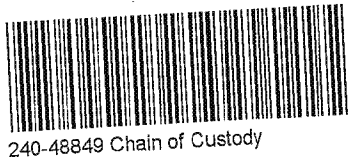
Analysis Method	Prep Method	Matrix	Analyte
8082	3540C	Solid	Aroclor-1262
8082	3540C	Solid	Aroclor-1268
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Certification renewal pending - certification considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS



240-48849 Chain of Custody

4101 Shuffel Street, N.W. North Canton, OH 44720 tel 330.497.9396 fax 330.497.0772 www.testamericainc.com

CHAIN OF CUSTODY RECORD 32037

Page 1 of 2

Project Number:	Site and Location:
41949	CBS - COMPTON
Contact Name:	**Contact Email:**
Dave.Rykaczewski	Dave.Rykaczewski@WSPGroup.com
Sampler's Name:	**Sampler's Signature:**
Sarah Ferguson	

Matrices: S = Soil; Aq = Water; A = Air: Bu = Bulk; W = Wipe; Bi = Biota; OW = Oily Waste; O = Other

Sample Identification:	Depth	Date	Time	Matrix	Number of Containers	Requested Analyses: PCBs (8082A)									Remarks
EB-01-032615	—	3/26/15	20:00	Aq	1	X					(Dispose).				LEVEL IV for
CC-EW-01	—		2228	Bu	1	X									ALL SAMPLES.
WP-07-POST	—		2030	W	1	X									
WP-09	—		2127	W	1	X									
WP-08	—		2135	W	1	X									
WP-10	—		2115	W	1	X									
WP-11	—		2120	W	1	X									
CC-NW-01	—	3/27/15	0147	Bu	1	X									
CC-N350-E220	—	3/27/15	0104	Bu	1	X									
WP-12	—	3/27/15	2110	W	1	X									
WP-13	—	3/27/15	2115	W	1	X									
WP-14	—	03/27/15	2120	W	1	X									
CC-N316-E260	—	03/27/15	2334	Bu	1	X									
CC-N290-E260	—	03/28/15	0009	Bu	1	X									
CC-N310-E220	—	03/28/15	0120	Bu	1	X									
CC-N270-E240	—	03/28/15	0143	Bu	1	X									

Relinquished by (Signature):	03/31/15 1614 Date | Time	Received by (Signature): 2.7°C	Laboratory Name: Test America Canton
Relinquished by (Signature):	3/31/15 17:00 Date | Time	Received by (Signature): 4-1-15 950	Laboratory Location: 4101 Shuffel St. NW North Canton, OH 44720
Turn-Around Time: STANDARD		Tracking Number:	Custody Seal Numbers:
			Method of Shipment:

WSP Environment & Energy

- ☐ Reston Office: 11190 Sunrise Valley Dr., #300, Reston, VA 20191 / Tel: 703-709-6500
- ☑ Pittsburgh Office: 750 Holiday Dr., #410, Pittsburgh, PA 15220 / Tel: 412-604-1040
- ☐ San Jose Office: 2025 Gateway Place, #435, San Jose, CA 95110 / Tel: 408-453-6100
- ☐ New Jersey Office: 200 Cottontail Ln., Somerset, NJ 08873 / Tel: 732-564-0888
- ☐ Denver Office: 4600 South Ulster, #930, Denver, CO 80237 / Tel: 303-850-9200
- ☐ Minneapolis Office: 123 North 3rd St., #808, Minneapolis, MN 55401 / Tel: 612-343-0510
- ☐ Woburn Office: 300 Trade Center, Suite 4690, Woburn, MA 01801
- ☐ Cazenovia Office: 5 Sullivan St., Cazenovia, NY 13035 / Tel: 315-655-3900

4/7/2015

ED_002285B_00006045-00021

WSP CHAIN-OF-CUSTODY RECORD

Page 2 of 2

No 000538

WSP Office Address: Pittsburgh office.

Project Name & Location: ~~41949~~ CBS-Compton

Project No.: 41949

WSP Contact Name:

Requested TAT: STANDARD

Sampler's Name: Sarah Ferguson

Sampler's Signature:

WSP Contact E-mail: Dave Rykaczewski @wspgroup.com

WSP Contact Phone: (571) 239-6417

Requested Deliverable: ☐ LEVEL II ☐ ERIMS EDD ☐ LEVEL III ☐ GISKEY EDD ☑ LEVEL IV ☐ EQUIS EDD

Requested Analysis: PCBs (8082A)

Preservative

Sample ID	Comp/ Grab	Collection Date Start*	Collection Date Stop	Collection Time Start*	Collection Time Stop	Matrix	No. of Containers	Preservative	Sample Comments
CC-290-E240		03/28/15		0030		Bu	1	X	
CC-270-E260		03/28/15		0052		Bu	1	X	

Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Laboratory Name	Laboratory Location	Laboratory Contact
	03/31/15	1614	2.7°C	3/31/15	1614	Test America	Canton, OH	Nate Pietras
Relinquished By (Signature)	Date	Time	Received By (Signature)	Date	Time	Method of Shipment	Airbill No.	Shipping Date / No. of Coolers
	3/31/15	17:00		4-1-15	950			

Sample Condition (Laboratory Use Only)	Temp in °C	Received on Ice	Sealed Cooler	Sample Intact	Additional Comments

*Use start and stop time/date for composite and air samples. Include single start time and date for all other samples.

Matrix: GW = Groundwater S = Soil SE = Sediment SW = Surface Water WW = Wastewater A = Air W = Wipe B = Bulk Bi = Biota O = Other (detail in comments)

Preservation: I = Ice H = HCl N = HNO_3 S = H_2SO_4 NO = NaOH O = Other (detail in comments)

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 438419

Client WSP Site Name

Cooler unpacked by:

Cooler Received on 4-1-15 Opened on 4-1-15

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

TestAmerica Cooler # Foam Box (Client Cooler) Box Other

Packing material used: (Bubble Wrap) Foam Plastic Bag None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

~~IR GUN# A (CF +4.0 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C~~

IR GUN# 4 (CF +0.5 °C) Observed Cooler Temp. 3.2 °C Corrected Cooler Temp. 3.7 °C ☐ See Multiple Cooler Form

~~IR GUN# 5 (CF +0.4 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C~~

IR GUN# 8 (CF -1.2 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 (Yes) No
   -Were custody seals on the outside of the cooler(s) signed & dated? (Yes) No NA
   -Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Was/were the sampler(s) clearly identified on the COC? (Yes) No
7. Did all bottles arrive in good condition (Unbroken)? (Yes) No
8. Could all bottle labels be reconciled with the COC? (Yes) No
9. Were correct bottle(s) used for the test(s) indicated? (Yes) No
10. Sufficient quantity received to perform indicated analyses? (Yes) No
11. Were sample(s) at the correct pH upon receipt? Yes No (NA) pH Strip Lot# HC425511
12. Were VOAs on the COC? Yes (No)
13. Were air bubbles >6 mm in any VOA vials? Yes No (NA)
14. Was a trip blank present in the cooler(s)? Trip Blank Lot# Yes (No)

Contacted PM Date by via Verbal Voice Mail Other

Concerning

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

EB-01-032615 says "Dispose" on COC will archive bottle.

Not enough volume to run percent moisture on solid samples.

15. SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.

Sample(s) were received in a broken container.

Sample(s) were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory.

Time preserved: Preservative(s) added/Lot number(s):